Hepato-Gastroenterology

Editors

H.-W. Altmann, Würzburg
L. Demling, Erlangen
I. Gillespie, Manchester
K. S. Henley, Ann Arbor
H. A. Kühn, Freiburg i. Br.
K.-H. Meyer zum Büschenfelde, Mainz
F. W. Schmidt, Hannover
R. Schmid, San Francisco
M. Siurala, Helsinki

Assistant Editors

S. Domschke, Erlangen
R. Müller, Hannover

Selection Committee

I. Auer, Würzburg
V. Becker, Erlangen
J. Ch. Bode, Stuttgart
A. Blum, Zürich
M. Classen, München
G. Dobrilla, Bozen
W. Domschke, Erlangen
H. Fromm, Washington
P. Frühmorgen, Ludwigsburg
Ch. Herfarth, Heidelberg
H. Liehr, Saarbrücken
R. Müller, Hannover
H. Pichlmaier, Köln
R. Preisig, Bern
K. Fr. Sewing, Hannover
W. Wenz, Freiburg i. Br.

1985
Georg Thieme Verlag
Stuttgart · New York

Volume 32

160 figures
in 179 single figures (6 colored)
112 tables

Geschützte Warennamen (Warenzeichen) werden *nicht* besonders kenntlich gemacht. Aus dem Fehlen eines solchen Hinweises kann also nicht geschlossen werden, daß es sich um einen freien Warennamen handelt.

Alle Rechte, insbesondere das Recht der Vervielältigung sowie der Übersetzung, vorbehalten. Kein Teil des Werkes darf in irgendeiner Form (Photokopie, Mikrofilm oder ein anderes Verfahren) ohne schriftliche Genehmigung des Verlages reproduziert oder unter Verwendung elektronischer Systeme verarbeitet, vervielfältigt oder verbreitet werden.

Some of the product names, patents and registered designs referred to are in fact registered trademarks or proprietary names even though specific reference to this fact is not always made in the text. Therefore, the appearance of a name without designations as proprietary is not to be construed as a representation by the publisher that at is in the public domain.

All rights, including the rights of publication, distribution and sales, as well as the right to translation, are reserved. No part of this work covered by the copyrights hereon may by reproduced or copied in any form or any means – graphic, electronic or mechanical including photocopying, recording, taping, or information and retrieval systems – without written permission of the publisher.

© Georg Thieme Verlag, Rüdigerstr. 14, D-7000 Stuttgart 1, 1985 – Printed in Germany.

Table of Contents

No. 1 (February 1985) Page 1– 52
No. 2 (April 1985) Page 53–108
No. 3 (June 1985) Page 109–154
No. 4 (August 1985) Page 155–216
No. 5 (October 1985) Page 217–258
No. 6 (December 1985) Page 259–304

Originals

Abasov, I.T., E.G. Isaev, and *I.M. Iof:* The Condition of the Biliary Tract and Cholesecretion in Cases of Ulcerative Colitis 138

Al-Idrissi, H.Y., E.M. Ibrahim, A. Abdel Satir, M.B. Satti, S. Al-Kasem, A. Al-Qurain: Primary Hepatocellular Carcinoma in the Eastern Province of Saudi Arabia: Treatment with Combination Chemotherapy Using 5-Fluorouracil, Adriamycin and Mitomycin-C . 8

André, C., L. Descos, Françoise André, J. Vignal, P. Landais, J. Fermanian: Biological Measurements of Crohn's Disease Activity – A Reassessment 135

Bartoloni St'Omer, F., A. Giannini, P. Botti, L. Caramelli, F. Ledda, S. Peruzzi, M. Zorn: Amanita Poisoning: A Clinical-histopathological Study of 64 Cases of Intoxication 229

Bianchi Porro, G., M. Petrillo, M. Lazzaroni, G. Mazzacca, F. Sabbatini, G. Piai, G. Dobrilla, G. De Pretis, S. Daniotti: Comparison of Pirenzepine and Carbenoxolone in the Treatment of Chronic Gastric Ulcer. A Doubleblind Endoscopic Trial 293

Bianchi Porro, G., G. Ragni, M. Ruspa, M. Petrillo, G. Barattini: Long-term Treatment with Cimetidine does not Essentially Affect the Hypothalamic-pituitary-gonadal Axis in Man 77

Birnie, G.G., C.P. Fitzsimons, D. Czarnecki, A. Cooke, G. Scobie, M.J. Brodie: Hepatic Metabolic Function in Patients Receiving Long-term Methotrexate Therapy: Comparison with Topically Treated Psoriatics, Patient Controls and Cirrhotics 163

Bombardieri, G., G.L. Gigli, L. Bernardi, R. Ferri, C. Grassi, A. Milani: Visual Evoked Potential Recordings in Hepatic Encephalopathy and their Variations during Branched Chain Amino-Acid Treatment . . . 3

Bortolotti, M., G.C. Caletti, E. Brocchi, G. Bersani, G. Guizzardi, G. Labò: Endoscopic Electromyography and Manometry of the Human Sphincter of Oddi . . . 250

Brambs, H.-J., C. Spamer, B. Volk, B. Wimmer, H. Koch: Histological Diagnosis of Liver Hemangiomas using Ultrasound-guided Fine Needle Biopsy 284

Brearley, S., P.C. Hawker, P.W. Dykes, M.R.B. Keighley: A Lethal Complication of Peripheral Vein Vasopressin Infusion 224

Classen, M., H.G. Dammann, W. Domschke, W. Hüttemann, W. Londong, M. Rehner, B. Simon, L. Witzel, J. Berger: Omeprazole Heals Duodenal, but not Gastric Ulcers more Rapidly than Ranitidine. Results of two German Multicentre Trials 243

Czarnobilski, Z., S. Bem, K. Czarnobilski, S.J. Konturek: Carprofen and the Therapy of Gastroduodenal Ulcerations by Ranitidine 20

Dal Monte, P.R., M. D'Imperio, M. Ferri, F. Fratucello, P. del Soldato: A Combination of Pirenzepine and Cimetidine: A New Approach to Treatment of Duodenal Ulcer in "Non-Responders" 126

Dammann, H.G., Th.A. Walter, P. Müller, B. Simon: Intragastric Acidity under 28-day Omeprazole Treatment 191

Dobrilla, G.: Short-term Treatment of Duodenal Ulcer with a Single Nocturnal Dose of Ranitidine 195

Domschke, S., S.R. Bloom, T.E. Adrian, G. Lux, M.G. Bryant, W. Domschke: Gastroduodenal Mucosal Hormone Content in Duodenal Ulcer Disease 198

Domschke, S., K.P. Stock, J. Pichl, M.U. Schneider, W. Domschke: Beta-cell Reserve Capacity in Chronic Pancreatitis 27

Elsborg, L., B. Beck, M. Stubgaard: Effect of Sucralfate on Gastroesophageal Reflux in Esophagitis . . 181

El-Zayadi, A. Effat, A. El Fakhfakh, M. Fawzy Montasser, Y.A. Soltan: Effect of the Oral Antibilharzial Niridazole (Ambilhar) on Patients with Concomitant Schistosomiasis and HBs Antigenaemia 168

Fabris, C., R. Farini, A. Piccoli, G. Del Favero, A. Panucci, M. Plebani, S. Pedrazzoli, D. Nitti, R. Naccarato: CEA and Ferritin in Chronic Pancreatic Disease: A Comparative Evaluation 146

Frič, P., E. Kasafírek, J. Slabý, J. Marek: Effect of New Oligopeptide Inhibitors of Elastase on Acute Experimental Pancreatitis in the Rat 206

Gentile, S., R. Marmo, M. Persico, Patrizia Bronzino, M. Coltorti: Impaired Plasma Clearance of Nicotinic Acid and Rifamycin-SV in Gilbert's Sydrome: Evidence of a Functional Heterogeneity. 113

Gentile, S., P. Rubba, M. Persico, P. Bronzino, R. Marmo, F. Faccenda: Improvement of the Nicotinic Acid Test in the Diagnosis of Gilbert's Syndrome by Pretreatment with Indomethacin 267

Gmelin, K., L. Theilmann, H. Will, P. Czygan, H.W. Doerr, B. Kommerell: Determination of HBV DNA by a Simplified Method of Spot Hybridization . . 117

Hermanowicz, A., Z. Sliwiński, R. Kaczor with the technical assistance of *Z. Nawarska and D. Borys:* Effect of Long-term Therapy with Sulphasalazine, Levamisole, Corticosteroids and Ascorbic Acid and of Disease Activity on Polymorphonuclear Leukocyte Function in Patients with Ulcerative Colitis . . 81

Howden, C.W., D.W. Burget, C. Silletti, R.H. Hunt: Single Nocturnal Doses of Pirenzepine Effectively Inhibit Overnight Gastric Secretion 240

Kaminski, D.L., V.M. Hermann, S. Martin: Late Effects of Jejunoileal Bypass Operations on Hepatic Inflammation, Fibrosis and Lipid Content 159

Kasper, H., C. Eilles, C. Reiners, J. Schrezenmeir: The Influence of Dietary Fiber on Gastric Transit Time 69

Keim, V., G. Adler, F.J. Haberich, H.F. Kern: Failure of Secretin to Prevent or Ameliorate Cerulein-induced Pancreatitis in the Rat 91

Koop, H., C. Schwarz, I. Koop, J. Dionysius, H. Mönnikes, R. Arnold: Role of Endogenous Prostaglandins in Somatostatin-induced Inhibition of Gastro-intestinal Hormone Secretion 288

Kruis, W., G.E. Rindfleisch, M. Weinzierl: Zinc Deficiency as a Problem in Patients with Crohn's Disease and Fistula Formation 133

Kwang-Juei Lo, Yang-Te Tsai, Shou-Dong Lee, Ching-Lan Yeh, Jiin-Yu, Wang, B.N. Chiang, Tzee-Chung Wu, S. Shin-Hwa Yeh, A. Goudeau, P. Coursaget, M.J. Tong: Combined Passive and Active Immunization for Interruption of Perinatal Transmission of Hepatitis B Virus in Taiwan 65

Lembcke, B., B. Kraus, P.G. Lankisch: Small Intestinal Function in Chronic Relapsing Pancreatitis 149

Layer, P., K. Balzer, H. Goebell: Hereditary Pancreatitis. Presentation of an Additional Family 31

Lehtola, J., T. Karttunen, I. Krekelä, S. Niemelä, O. Räsänen: Gastric Carcinoids with Minimal or no Macroscopic Lesion in Patients with Pernicious Anemia . . . 72

Liehr, H., Renate Seelig, H.P. Seelig: Cutaneous Papulovesicular Eruptions in Non-A, Non-B Hepatitis 11

Loeschke, K., J. Abb, U.M. Farack, B. Wiebecke: Treatment of HBsAG-, HBeAg-positive Chronic Active Hepatitis with Adenine Arabionoside 178

Massarat, S.: Serum Pepsin Activity as a Parameter of Gastric Acid Secretion 185

Milani, A., L. Marra, M. Siciliano, L. Rossi: Prognostic Significance of Clinical and Laboratory Parameters in Liver Cirrhosis. A Multivariate Statistical Approach . 270

Minuk, G.Y., A. Winder, E.D. Burgess, E.J. Sarjeant: Serum Gamma-aminobutyric Acid (GABA) Levels in Patients with Hepatic Encephalopathy 171

Mizoguchi, Y., Y. Ikemoto, S. Yamamoto, S. Morisawa: Studies on the Effects of Estrogen on the Antibody Response in Asymptomatic HB Virus Carrier 109

Ohnhaus, E.E., U.B. Noelpp, M.R. Ramos: Liver Blood Flow and Enzyme Induction in Man 61

Okuno, M., S. Himeno, M. Kurokawa, Y. Shinomura, T. Kuroshima, Sh. Kanayama, K. Tsuji, Y. Higashimoto, S. Tarui: Changes in Serum Levels of Pancreatic Isoamylase, Lipase, Trypsin, and Elastase 1 after Endoscopic Retrograde Pancreatography 87

Omata, M., Y. Ito, F. Imazeki, J. Mori, O. Yokosuka, K. Okuda, I.K. Mushahwar: Infection with Delta Agent in Japan 220

Paimela, H., S. Stenman, M. Kekki, P. Sipponen, L.G. Tallgren, T.M. Scheinin: Chronic Gastritis and Gastric Acid Secretion in Uraemic and Renal Transplant Patients 15

Paschke, R., M. Heine: Pathophysiological Aspects of Dacarbazine-induced Human Liver Damage 273

Pastore, G., L. Monno, T. Santantonio, G. Angarano, F. Trotta, O. Schiraldi: Monophasic and Polyphasic Pattern of Alanineaminotransferase in Acute non-A, non-B Hepatitis 155

Pieniążek, D., E. Pronicka, J. Socha, J. Pawlawska, E. Miloszewska, B. Woźniewicz, J. Klimaszewski, A. Moszyńska, M. Urbanek: Asymptomatic Decreased Activities of Hepatic Glucose-6-Phosphatase and Glycogen Phosphorylase in a Number of Children with Chronic Liver Disease 235

Renner, F., M. Andrle, W. Horak, A. Rett: Hepatitis A and B in Non-institutionalized Mentally Retarded Patients 175

Ricci, O.E., S. Fanfani, A.Calabrò, M. Milano, S. Ciatti, S. Colagrande, A. Masi, A. Casini, C. Acampora, P. Ceccatelli, C. Surrenti: Diagnostic Approach to Hepatic Hemangiomas Detected by Ultrasound . . . 53

Ruggiero, G., G. Cesaro, C. Mazzella, G.B. Gaeta, E. Miraglia, L. Mastrullo, M.L. Boffa, D. Spiteri, V. Schiattarella, R. de Biasi: Liver Disease in Hemophiliacs: Etiological and Biochemical Data on 159 Cases from our Geographical Area 57

Sansonno, D.E., G. Leandro, P. Detomaso, M.A. Papanice, O.G. Manghisi, T. Santantoni, G. Pastore: Serum Binding Activity for Human Albumin Polymers in Acute and Chronic Virus Hepatitis 226

Sansonno, D.E., G.M. Minoia, P. Detomaso, O.G. Manghisi: Binding and Receptors for Human Albumin Polymers and IgM/HBs Circulating Complex in HBsAg Chronic Carriers 121

Schmiegel, W.H., W. Eberl, C. Kreiker, H. Kalthoff, G.H. Bützow, K. Jessen, R. Klapdor, N. Soehendra, M. Wargenau, M. Classen, H. Greten, H.-G. Thiele: Multiparametric Tumor Marker (CA 19-9, CEA, AFP, POA) Analyses of Pancreatic Juices and Sera in Pancreatic Diseases 141

Schneider, M.U., L. Demling, S. Domschke, G. Heptner, I. Merkel, W. Domschke: NMR Spectrometric Stool Fat Analysis 210

Schneider, M.U., M.L. Knoll-Ruzicka, S. Domschke, G. Heptner, W. Domschke: Pancreatic Enzyme Replacement Therapy: Comparative Effects of Conventional and Enteric-coated Microspheric Pancreatin and Acid-stable Fungal Enzyme Preparations on Steatorrhoea in Chronic Pancreatitis 97

Schoelmerich, J., M.S. Becher, P. Hoppe-Seyler, S. Matern, D. Haeussinger, E. Loehle, E. Koettgen, W. Gerok: Zinc and Vitamin A Deficiency in Patients with Crohn's Disease is Correlated with Activity but not with Localization or Extent of the Disease 34

Seemann, W.-R., B. Wimmer, U. Schöffel, T. Genz, H.-J. Brambs: Computed Tomographic Findings in Myogenic Gastric Tumors 202

Shinomura, Y., S. Himeno, M. Kurokawa, S. Takahashi, T. Kuroshima, M. Okuno, S. Kanayama, K. Tsuji, Y. Higashimoto, S. Tarui: Release of Vasoactive Intestinal Peptide by Intraduodenal Infusion of HCl or Fat and Intramuscular Injection of Neostigmine in Man 129

Simonetti, R.G., A. Craxi, G. Dardanoni, F. Lazzarone, F. Barbaria, M. Cottoni, L. Pagliaro: The Clinical Value of Serum Ferritin in Hepatocellular Carcinoma 276

Somasundaram, K., A.K. Ganguly: Gastric Mucosal Protection during Restraint Stress in Rats: Alteration in Gastric Adherent Mucus and Dissolved Mucus in Gastric Secretion 24

Sommer, H., J. Schrezenmeir, H. Kasper: Output-dependent Non-parallel Enzyme Secretion of the Human Pancreas 246

Uehara, C., M. Sakurai, H. Ishizu, N. Mitsutani, T. Koizumi: Orcein-positive Material in Kupffer Cells from the Liver 232

Zöckler, C.E., K. Draese, P. Lesch, H. Strosche, W. Hoff, J.K. Kachru: Stricter Selection Criteria Improve the Results of Shunt Surgery 279

Editorials

Bode, J.Ch., K. Schäfer: Pathophysiology of Chronic Hepatic Encephalopathy 259

Hanisch, E.: Sympathetic Influence upon Gastric Function – Implications for Peptic Ulcer Disease 217

Lederer, P.C., A.H. Ellermann: Hopes for Computer Aid in Gastroenterology 1

Case Reports

Al Karawi, M., M. Anwar Hanid: Endoscopic Removal of Daughter Echinococcus Cysts for the Common Bile Duct 296

Chlumský, J., V. Krtek, A. Chlumská: Sarcoidosis of the Stomach. Endoscopic Diagnosis and Possibilities of Conservative Treatment 255

Gupta, S., F.M. Cuss, M.E. Crofton, J.H. Baron, H.J.F. Hodgson: Budd-Chiari Syndrome and Alpha-1 Antitrypsin Deficiency 253

Schmidt, G., G. Börsch, S. von Liebe, E. Böhm: Gastric Perforation Secondary to Metastatic Bronchogenic Carcinoma 103

Wörmann, B., K. Kutz, R. Ottenjann: Treatment of Relapsing Bleeding Peptic Ulcers with the Somatostatin Analogue SMS 201-995 in a Patient with Zollinger-Ellison Syndrome 152

Review

Stacher, G.: Oesophageal Motility, Oesophageal Transit, and Gastro-Oesophageal Reflux – A Methodological Overview 299

Abstracts

of the 16th Conference of the European Gastro Club, Erlangen, October 19–20, 1984 39

Letter to the Editor

Kaschka, W.P., J. Demling, A. Hey, Delirium Tremens, Hemorrhagic Pancreatic Pseudocyst with Duodenal Ileaus and Fatal Shock 106

Congress Announcements 51, 154, 216

Book Reviews 52

Author's Index

(B) = Book Reviews

A
Äärimaa, M. 44
Abasov, J.T. 138
Abb, J. 178
Abdel Satir, A. 8
Acampora, C. 53
Adler, G. 91
Adrian, T.E. 198
Al-Idrissi, H.J. 8
Al Karawi, M. 296
Al-Kasem, S. 8
Al-Qurain, A. 8
Aly, A. 44
André, C. 135
André, F. 135
Andrle, M. 175
Angarano, G. 155
Anwar Hanid, M. 296
Arendt, R. 49
Arnold, R. 288

B
Bader, J.-P. 46
Balzer, K. 31
Bara Hini, G. 77
Barbaria, F. 276
Baron, J.H. 46, 253
Barten, M. 49
Bartoloni St. Omer, F. 229
Baumgartner, A. 41
Becher, M.S. 34
Beck, B. 181
Becker, H.D. 45
Beil, W. 47
Bem, S. 20
Berger, J. 243
Bergter, H. 49
Bernardi, L. 3
Bersani, G. 250
Berstad, A. 47
Bianchi Porro, G. 77, 293
Biasi, R. de 57
Birnie, G.G. 163
Bloom, S.R. 198
Bode, J.Ch. 259
Boffa, M.L. 57
Böhm, E. 103
Bombardieri, G. 3
Börger, H.W. 45
Börsch, G. 103
Borys, D. 81
Bortolotti, M. 250
Botti, P. 229
Bourrier, Th. 42
Brambs, H.-J. 202, 284
Brearley, S. 224
Brocchi, E. 250
Brodie, M.J. 163
Bronzini, P. 113, 267
Bryant, M.G. 198
Burgess, E.D. 171
Burget, D.W. 240
Bützow, G.H. 141

C
Cabre Fiol, V. 49
Calabro, A. 53
Caletti, G.C. 250
Caramelli, L. 229
Carlsson, E. 48
Casini, A. 53
Cecctelli, P. 53
Cesaro, G. 57
Chayvialle, J.A. 42
Chiang, B.N. 65
Chlumská, A. 255
Chlumsky, J. 255
Ciatti, S. 53
Classen, M. 141, 243
Colagrande, S. 53
Coltorti, M. 113
Cooke, A. 163
Cottoni, M. 276
Coursaget, P. 65
Craxi, A. 276
Crofton, M.E. 253
Cuss, J.M. 253
Cusso, X. 49
Czarnecki, D. 163
Czarnobilski, U. 20
Czarnobilski, Z. 20
Czygan, P. 117

D
Dal Monte, P.R. 126
Dammann, H.-G. 191, 243
Dardanoni, G. 276
De Graef, J. 43
Delchier, J.-C. 46
Del Favero, G. 146
Demling, J. 108
Demling, L. 210
Descos, L. 135
Detomaso, P. 121, 226
D'Imperio, M. 125
Dionysius, J. 288
Dobrilla, G. 195
Doerr, H.W. 117
Domschke, S. 27, 97, 198, 210
Domschke, W. 27, 97, 198, 210, 243
Draese, K. 279
Düsing, R. 40
Dutremil, C. 46
Dykes, P.W. 224

E
Eberl, W. 141
Egger, G. 258 (B)
Eilles, C. 69
El Fakhfakh, A. 168
Ellermann, A.H. 1
Elsborg, L. 181
El-Zayadi, A. 168
Emas, S. 44

F
Fabris, C. 146
Faccenda, F. 267
Facer, P. 42
Fanfani, S. 53
Farack, U.M. 178
Farini, R. 146
Fermanian, J. 135
Ferri, M. 126
Ferri, R. 3
Fitzsimons, C.P. 163
Fratucello, F. 126
Fric, P. 206

G
Gaeta, G.B. 57
Ganguly, A.K. 24
Gentile, S. 113, 267
Gerok, W. 34
Genz, T. 202
Giannini, A. 229
Gigli, G.L. 3
Gitnick, G.L. 258 (B)
Gmelin, K. 117
Goebell, H. 31
Goudeau, A. 65
Grassi, C. 3
Greten, H. 141
Grongnet, J.F. 42
Guilloteau, P. 42
Guizzardi, G. 250
Gupta, S. 253
Guth, P.H. 40

H
Haberich, F.J. 91
Haentjens, P. 43
Haeussinger, D. 34
Hakånson, R. 48
Halter, F. 41
Hanisch, E. 217
Hannemann, H. 47
Hanssen, L.E. 48
Härkönen, M. 44
Hawker, P.C. 224
Heilmaier, L. 48
Heine, M. 273
Heptner, G. 97, 210
Hermanowicz, A. 81
Herrmann, V.M. 159
Hey, A. 108
Higashimoto, Y. 129
Hill, M.C. 258 (B)
Himeno, S. 87, 129
Hodgson, H.J.F. 253
Hoff, W. 279
Hoppe-Seyler, P. 34
Horak, W. 175
Howden, C.W. 240
Hunt, R.H. 240
Hüttemann, W. 243

I
Ibrahim, E.M. 8
Ikemoto, Y. 109
Imazeki, F. 220
Inberg, M. 44
Iof, J.M. 138
Isaer, E.G. 138
Ishizu, H. 232
Ito, Y. 220

J
Jessen, K. 141

K
Kachru, J.K. 279
Kaczor, R. 81
Kalthoff, H. 141
Kaminski, D.L. 159
Kanayama, Sh. 87, 129
Karttunen, T. 72
Kasafirek, E. 206
Kaschka, W.P. 108
Kasper, H. 69, 246
Kauffmann, G.W. 52 (B)
Keighley, M.R.B. 224
Keim, V. 91
Kekki, M. 15
Kern, H.F. 91
Klapdor, R. 141
Klimaszewski, J. 235
Klopper, P.J. 45
Knoll-Ruzicka, M.L. 97
Koch, H. 284
Koelz, H.R. 41
Koettgen, E. 34
Koizumi, T. 232
Kommerell, B. 117
Konturek, S.J. 20, 43
Koop, H. 288
Koop, I. 288
Kraus, B. 149
Kreiker, C. 141
Krekelä, J. 72
Krtek, V. 255
Kruis, W. 133
Kunkel, S. 49
Kurokawa, M. 87, 129
Kuroshima, T. 87, 129
Kutz, K. 152

L
Labó, G. 250
Landais, P. 135
Lankisch, P.G. 149
Lanzarone, F. 276
Larsson, H. 48
Lassrich, M.A. 52 (B)
Layer, P. 31
Lazzaroni, M. 293
Leandro, G. 226
Ledda, F. 229
Lederer, P.C. 1
Lee, S.-D. 65
Lehtola, J. 72
Lembcke, B. 149
Lesch, P. 279
Liebe, S.v. 103
Liehr, H. 11
Lindgren, J. 42
Lo, K.-J. 65
Loehle, E. 34
Loeschke, K. 178
Londong, V. 48
Londong, W. 48, 243
Lorenz, W. 39
Lux, G. 198

M
Mädge, S. 47
Magni, G. 106
Manghisi, O.G. 121, 226
Marek, J. 206
Marmo, R. 113, 267
Marra, L. 270
Martin, S. 159
Masi, A. 53
Massarrat, S. 185
Mastrullo, L. 57
Matern, S. 34
Mattson, H. 48
Mazzacca, G. 293
Mazzella, C. 57
McCloy, R.F. 46
Merkel, J. 210
Miederer, S.E. 40
Milani, A. 3, 270
Milano, M. 53
Miloszewska, E. 235
Minoia, G.M. 121
Minuk, G.Y. 171
Miraglia, 57
Mitsutani, N. 232
Mizoguchi, Y. 109
Mönnikes, H. 288
Monno, L. 155
Montasser, M.F. 168
Mori, J. 220
Morisawa, S. 109
Moszczyńska, A. 235
Müller, P. 191
Mushahwar, J.K. 220
Myrvold, H. 44

N
Naccarato, R. 146
Nawarska, Z. 81
Nesland, A. 47
Neugebauer, E. 39
Niemelä, S. 72
Nitti, D. 146
Noelpp, U.B. 61

O
Ocaña, J. 49
Ohnhaus, E.E. 61
Okuda, K. 220
Okuno, M. 87, 129
Omata, M. 220
Oren, Wolman, N. 40
Ottenjann, 152

P
Pagliaro, L. 276
Paimela, H. 15
Panucci, A. 146
Papanice, M.A. 226
Paschke, R. 273
Pastore, G. 155
Pawlowska, J. 235
Pearse, A.G.E. 42
Pedrazzoli, S. 146
Persico, M. 113, 267
Peruzzi, S. 229
Petersen, H. 44
Petrillo, M. 77, 293
Piai, G. 293
Piccoli, A. 146
Pichl, J. 27
Pieniażek, D. 235
Plebani, M. 146
Polak, J.M. 42
Prerot, R. 52 (B)
Pronicka, E. 235

R
Ragni, G. 77
Ramos, M.R. 61
Räsänen, O. 72
Rau, W.S. 52 (B)
Rehner, M. 243
Reiners, C. 69
Renner, F. 175
Rett, A. 175
Ricci, O.E. 53
Richter, W. 48
Rindfleisch, G.E. 133
Rösch, W. 49
Rossi, L. 270
Rubba, P. 267
Ruggiero, G. 57
Ruoff, H.J. 40
Ruspa, M. 77

S
Sabbatini, F. 293

Sakurai, M. 232
Sancho Poch, F. 49
Sanders, R.C. 258 (B)
Sansonno, D.E. 121, 226
Santantonio, T. 155, 226
Sarjeant, E.J. 171
Satti, M.B. 8
Sauer, H. 258 (B)
Schäfer, K. 259
Scheinin, T.M. 15
Schepp, W. 40
Schiattrella, V. 57
Schiff, E.R. 258 (B)
Schiff, L. 258 (B)
Schiraldi, O. 155
Schmidt, G. 103
Schmiegel, W.H. 141
Schneider, M.U. 27, 97, 210
Schoelmerich, J. 34
Schöffel, U. 202
Schrezenmair, J. 69, 246
Schwarz, C. 288
Scobie, G. 163
Seelig, H.P. 11
Seelig, R. 11
Seemann, W.-R. 202
Sewing, K.-Fr. 47
Shinomura, Y. 87, 129
Shin-Hwa Yeh, P. 65
Siciliano, M. 270
Silletti, C. 240
Simon, B. 191, 243
Simonetti, R.G. 276
Sipponen, P. 15, 42
Skreden, K. 44
Slabý, J. 206
Sliwinski, Z. 81
Socha, J. 235
Soehendra, N. 141
Soldato, P. del 126
Solomon, T.E. 43
Soltan, Y.A. 168
Somasundaram, K. 24
Sommer, H. 246
Soule, J.-C. 46
Spamer, C. 284
Spiteri, D. 57
Stacher, G. 299
Stadelmann, O. 40
Steffen, B. 40
Stenman, S. 15
Stock, K.P. 27
Strosche, H. 279
Stubgaard, M. 181
Sundler, F. 48
Surrenti, C. 53

T
Takahashi, S. 129
Tallgren, L.G. 15
Tarni, S. 129
Theilmann, L. 117
Thiele, H.-G. 141
Tong, M.J. 65
Toullec, R. 42
Trotta, F. 155
Tsai, Y.-T. 65
Tsuji, K. 87, 129

U
Uehara, C. 232
Urbanek, M. 235

V
Varga, L. 41
Varis, K. 44
Vignal, J. 135
Vilardell, F. 49
Volk, B. 284

W
Waldum, H. 44
Walter, Th.A. 191
Wang, J.-Y. 65
Wargenau, M. 141
Weber, P.C. 48
Weinzierl, M. 133
Whittle, B.J.R. 40
Wiebecke, B. 178
Will, H. 117
Willems, G. 43
Wimmer, B. 202, 284
Winder, A. 171
Witzel, L. 243
Wörmann, B. 152
Woussen-Colle, M.C. 43
Woczniewicz, B. 235
Wu, T.-C. 65
Wulfhekel, U. 40

Y
Yamamoto, S. 109
Yeh, C.-L. 65
Yokosuka, O. 220

Z
Zimmer, K.O. 47
Zöckler, C.E. 279
Zorn, M. 229

Subject Index

(B) = Book Reviews

A
AFP 8, 141
ALT monophasic 155
– polyphasic 155
ATPase inhibition 47
Acid clearance rate 181
Acid-stable fungal enzyme preparation 97
Acrodermatitis enteropathica 34
Acute hepatitis 232
Adenine arabinoside 178
Adriamycin 8, 276
Alanine-aminotransferase 155
Albumin 137
Alcian blue binding capacity 25
Alkylamides of N-acylated tripeptides 206
Alpha-1-antitrypsin 137
– deficiency 253
Alpha, Fetoprotein 276
– amanitine 229
Amanita poisoning 229
Amatoxin 229
Amino acid metabolism 260
Aminoaciduria 33
Ammonia 259
Amylase 206, 246
Anion clearance 116
Anti-delta antibody 220
Antibilharzial Niridazole 168
Antibody forming cells 109
Antipyrine 61
– clearance 163
Antral mucosa 198
Aprotinin 206
Arachidonate metabolites 40
Argyrophilic cells 73
Ascites 270
Ascorbic acid 81

B
BAO 185, 198
Bacterial overgrowth 149
Barrett's epithelium 181
B-cell reserve 27
Benign leiomyoblastoma 202
Benzene 40
Beta-microglobulin 135
Bile acid deconjugation 151
Bile, biochemical composition 138
Biliary disease 234
Biliary system 138
Biliary tract, electromyography 250
– endoscopy 250
– manometry 250
Biliranslocase 116
Bleeding peptic ulcer 152
Blood ammonia 5
Blot hybridization 221
Borderline lesion 50
Branched chain amino acids 3
Bromosulfophthalein 113
Bronchogenic carcinoma 103
Brunner's glands 18
Budd-Chiari syndrome 253

C
CA 19-9 42, 141, 148
Calcifying pancreatitis 31
Carbenoxolone 293
Carcinoid, endoscopy 72
Carprofen 20
– side effects 22
CCK-like immunoreactivity 198
CEA, 8, 135, 141, 146
Cell layer 24
Cerulein 91
Chloroform-methanol extraction 210
Cholecystokinin 246, 288
Cholesecretion 138
Cholesterol 161
Chromogranin A 42
Chronic, active hepatitis 109
– gastritis 15, 18, 72
– liver disease 226, 235
– pancreatitis 27, 31, 97, 146
– relapsing pancreatitis 149
Chymotrypsin 28, 31
Cimetidine 48, 77, 126, 240
Cirrhosis 171, 276
CMV 118, 155
Computed tomography, submucosal gastric tumor 204
Computer-aided diagnosis 1
C-peptide 27, 29
Crohn's disease 34
– activity 34

Crohn's disease, idex 135
– acute phase 135
– fistula 133
– zinc 133
CRP 135
Cyclooxygenase 22
Cyclosporin A 16

D
Dacarbazine 273
DANE particle 117
Data bank systems 1
Delta antigen 220
Delta infection 220
Diabetes mellitus 27
Dietary fibers 69
Digestive enzymes 246
Dimdi 1
DNA-polymerase 117
Duodenal ulcer 44, 77, 126, 195, 198
– healing 48
Duodenum 129
D-Xylose test 149

E
Early gastric cancer 49
EBV 118, 155
Echinococcus cysts, endoscopic tratment 296
Elastase 1 87
Elastase inhibitor 206
Endoscopic electromyography 252
Endoscopic retrograde pancreatography 87
Enterochromaffin-like cells 48
Enteric-coated pancreatin 97
Enzyme induction 61
Eosinophilia 273
Esophageal varices 270
– bleeding 279
Esophagitis 181
Estrogen 109
Exocrine pancreatic function 210
Exocrine pancreatic insufficiency 97
Expert systems 1

F
Faecal fat 27
Familial pancreatitis 31
Ferritin 146
Fibronectin 135
5-Fluorouracil 8
Folic acid 149

G
GABA 171, 262
Gastric, acid 43
– – secretion 15, 185, 191, 217
– adherent mucus 24
– cancer 42, 141
– carcinoma, types 49
– function 217
– histology 20
– inhibitory polypeptide 198
– juice 240
– metastasis 103
– motility 45
– mucosal cells 40
– – microcirculation 40
– – protection 24
– perforation 103
– polyps 72
– sarcoidosis 255
– secretion 20, 21, 240
– transit time 69
Gastric transit, wheat bran 69
– ulcer 44, 243, 293
Gastrin 18, 20, 43, 45, 198, 288
– neonatal secretion 42
Gastroduodenal ulcer, therapy 20
Gastroenterology, computer aid 1
Gastrointestinal erosion 24
– hormon secretion 288
Gastro-oesophageal reflux 181, 299
– – qualitative tests 302
Gianotti-Crosti syndrome 13
Gilbert's syndrome 113, 267
Glucagon 235
Glucose 288
– tolerance 27
Glutaryl-trialanine-ethylamide 206
Glycogen 235
– phosphorylase, children 235
Glycoprotein 24
Gonadotropin 77
Gram negative septicaemia 9
Guar, gastric transit 69

H
H_2-receptor-antagonists 16, 126
HBV carrier 109
HBV DNA 117
HBV vertical transmission 220
HBeAg 125
HBsAg 8, 65, 168, 232
– carrier 220
– – chronic 121
HCl, intraduodenal infusion 129
Hemangioma 284
Hemophilia 57
Hepatic, encephalopathy 3, 171, 259, 270
– failure 279
– glucose-6-phosphatase 235
– haemangioma, szintigraphia 53
– – ultrasound 53
– lipid 159
– metabolic function 163
– uptake 113
– veno-occlusive disease 273
Hepatitis 11
Hepatitis A 117, 175, 226
Hepatitis B 57, 117, 226
– chronic active 178
– institutionalized patients 175
– vaccine 65
– virus 57, 65
Hepatitis NANB 11, 117, 155, 226
– chronic 11, 155
Hepatitis immune globulin 65
– Down syndrome 175
– skin lesion 11
Hepatocellular carcinoma 8, 276
– – surgery 10
Hereditary pancreatitis 31
Histamine 43
HLA-antigen 31
HLA distribution 33
Hyperbilirubinemia 113, 267
Hypernephroma 202
Hypothalamic-pituitary-gonadal axis 77

I
IgM/HBs complexes 121
Immunehistology 11
Indocyanine green 113, 162
Indomethacin 41, 46, 267, 280
Insulin 27, 288
– Pentagastrin test 44
Interferon 178
Interleucin 2 36
Internist/Caduceus 1
Intestinal infarction 224
Intragastric acidity 191
Irritable bowel syndrome 129

J
Jejunoileal bypass operation 159

K
Ketoacidosis 30
Kupffer cell 232

L
Lactose tolerance 149
Leiomyoma 202
Leiomyosarcoma 202
Leukocytes, Chemotaxis 81
Leukocytic endogenous mediator 36
Leukotriene 40
Levamisole 81
Lipase 87, 97, 206, 246
Lipofuscin 232
Liver, biopsy 159
– – mushroom poisoning 230
– blood flow, enzyme induction 61
– cirrhosis 109, 163, 279
– – survival 270
– disease 57
– fine needle biopsy 284
– intoxication 229
– obesity 159
Lower oesophageal sphincter 299
Lupoid type aggressive hepatitis 111
Lymphocyte transformation 111

M
MAO 20
Mercaptan 259
Methotrexate 163
Metronidazole 46
Microsomal enzyme system 61
Mitomycin C 8
Molecular hybridisation 117
Motilin 198
Mucopolysaccharides 26
Mucosal histamine 39
Mucosubstances, non-dialysable 24
Mucus layer 24
Myogenic gastric tumor 202

N
NBT-dye reduction 81
Necrotizing pancreatitis 31
Neostigmine 129
Neurotensin 43
Neurotransmitter 261
Nicotinic acid 113, 267
NMR spectrometry 210
Non-ulcer dyspepsia 47

O
Octopamine 3
Oesophageal, motility 299
– transit 299
– varices 224
Omeprazole 47, 48, 191, 243
– Multicentre trial 243
Oncocin 1
Urcein-positive material 232
Organic anions 113
Orosomucoid 137

P
PAO 141, 185, 198

Pancreatic, cancer 141, 146
– cholera syndrome 129
– enzyme secretion 27
– function, endocrine 27
– – exocrine 27
– isoamylase 87
– juice, enzyme ratios 246
– polypeptide 288
– protease output 28
– secretion 141, 246
Pancreatin 97, 149
Pancreatitis, experimental 91, 206
Parathormone 31
Paroxysmal nocturnal haemoglobulinuria 254
Peak acid output 17, 141, 185, 198
Pentagastrin 16, 22, 44, 185, 240
Pepsin output 240
Pepsinogen 1 185
Peptic ulcer 126, 217
Pernicious anemia 72
Phallotoxin 229
Pharmacologically-oriented data banks 1
Phenobarbitone 61
Phenol 259, 263
Phenylethanolamine 3
Phospholipid 161
PHSA-binding 121
PHSA-receptor 121
PHSA serum binding activity 226
Pirenzepine 126, 293
– side-effects 240
Pokeweed mitogen 109
Polymerized human serum albumin 121
Porto-caval shunt 5
Prednisone 36
Progressive liver disease 222
Prolactin
Prostaglandin 20, 40, 41, 46, 48, 288
Proximal gastric vagotomy 44
Pruritus hepaticus 12

R
Ranitidine 20, 240, 243
– multicentre trials 195
Relapsing pancreatitis 31
Renal failure 171
– transplant 15
Restraint stress 24
Rifamycin-SV 113

S
Sarcoidosis, corticoid therapy 255
Schistosomiasis 168
Sclerotherapy 279
Secretin 48, 91, 246
– pancreozymin test 27
Sengstaken-Blakemore tube 224
Seromyotomy 46
Serum-sickness-like syndrome 13
Sexuality 77
Shunt surgery 279
Skin lesions 11
Small intestinal function 149
SMS 201–995 152
Software 1
Somatostatin 43, 48, 152, 198, 288
Sperm count 77
Sphincter of Oddi 250
SPV 44, 45
Steatorrhoea 97
Stool fat concentration 210
– – excretion/day 210
Stress 24
Substance P 198
Sucralfate 181
Sulphasalazine 81
Sympathetic influence 217

T
Testosterone 109
Thermal ulcer 49
Thymidine incorporation 41
Tolbutamide 28
Triglyceride 159
Trypsin 87

U
Ulcer formation 217
Ulcer healing 20
Ulcerative colitis 81, 138
Upper oesophageal sphincter 301
Uraemia, peptic lesion 15
Uremic encephalopathia 171

V
Vagotomy 217
Vasopressin, lethal complication 224
VEP 6
VIP 129, 131, 198
Visual evoked potentials 3
Vitamin A 34
Vitamin B 12 149

W
Whipple's operation 97

Z
Zinc 34
– deficiency, Crohn 133
– metabolic disorder 36
Zollinger-Ellison syndrome 152